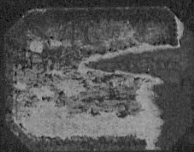


#2. Eastern Pacific.

D^r 4623 to D^r 4672.

Hy.

Oct. 21st to Nov. 21st, 1904.



No 2, 1904-05.

Dr. 4623 - Dr. 4672.

Hy. 4504 - Hy. 4508.

$$\begin{array}{r} 52 \\ 16 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 12.10 \\ 59.20 \\ \hline 7.30 \end{array}$$

$$\begin{array}{r} 25.85 \\ 21.50 \\ \hline 4.35 \end{array}$$

No. *Δ-4624* Date *21 Oct. 04*

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Con.

Corrected temperature

Air *82°*Surface *74°*

Drift

Trawl or dredge

Plankton haul.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

~~DOWN~~
out~~UP~~
*in**Two Kofoids towing
astern as before,**and**Surface Tow Net
from p.l.b.**1 Haul, with lect. light,*

0

~~100~~

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*7.03.00 - 7.23**= 20 min.**7.03.00 - 7.23**= 20 min.*

(Same as 23)

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Fair.</i> <i>St. air, Y.</i> <i>Smooth sea</i> <i>Bar. 29.74</i> <i>Ther. at 182°</i>		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:



4623 is a
6-58 n. 80-46 w.
Pump Filter Station, as are
also Nos 4625-26, both inclusive.
25, 8-00 n. 79-33 w.
26, 8-55 n. 79-32 w.

Dr. No. 4627

Date

Nov. 2/04

Machine.

Reel.

Turns

Cor.+

Depth

Shot or lead

Bottom

No Sounding

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 82°

Surface 8 1/2° Drift

Trawl or dredge

Plankton haul.

SOUNDING WIRE.

DREDGE ROPE.

TURNS.

DOWN.

UP.

DOWN

UP

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

5 ft Surface
from Part Boon
(Elect light att)12" Koid #12 Silb
14" Koid #20 Silb

Towing astern

Out

In

P.M.

P.M.

7-07-30 7-27-30

7-07-30 7-27-30

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

*Fair
 Light Breeze S-SE
 Smooth Sea
 Ther. att. 84°
 Bar. 29.70*

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Lat. 7° 21.3 N.

Long. 79° 55.8 W.

No. 4628-29, both inclusive, are pump filter stations.

*7-15 W.
6-55 "*

*80-55 W W.
42.50 W.*

No. 4630, Dr. Date 3 November 09.
Lucas Machine. Reel. Lucas
Turns 556 Cor. + - 0 Depth 556 fms
Shot ~~on lead~~ 35 lb and Snapper
Bottom gn. S.
Bottom temperature 41°
No. of thermometer 98241. Cor. 5
Corrected temperature 40.5
Air 79° Surface 81° Drift
Trawl ~~on dredge~~ 9' Bl.-Alk. as described (below)

AM. SOUNDING WIRE.		TURNS.	AM. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.09.00	8.25.00	0	8.35.00	10.26.40
10.30	27.40	100	39.20	22.00
11.30	22.30	200	42.40	17.30
12.30	21.15	300	46.00	14.00
13.35	19.55	400	49.30	10.10
14.14	18.30	500	52.30	06.00
8.15.30	8.17.30	536	56.00	10.02.00
*) with Sinkers; plain and ball-bearing swivel Shackles; preventer guy; 2 butterflies; 2 floats; mudbag; cheese cloth lining lower part out.		700	8.57.15	57.00
		730	9.00.30	
		800	9.18.30	9.50.30
		900		
		1000		
		1100	Tracking from 8.59	
		1200	to 9:50 =	
		1300	<u>51 min.</u>	
		1400	19 min S.E. and	
		1500	32 " NW.	
at 8:50, while running out wire fouled on drum and had to be hove in a few fms. Clear at 8:52 and running out. 9.07:45 paid out 30 fms. more, and at 9.15 hauled out to 800 fms.		1600		
		1700		
		1800	8.35 a..	
		1900		
		2000		
		2100	9.50	N
		2200		E
		2300		S
		2400	9.35	
				Dr. Course.

C. $1\frac{1}{2}$ when leaving in. of bark.
Set rootlike parts 9 min. at end.

6-58.71.

81. 42.5 W.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
<i>Dr. Course: SE to 9:18, then turned rd to N.Y.</i> <i>Cloudy</i> <i>Lt. airs from West,</i> <i>Smooth sea.</i> <i>Bar. 29.82</i> <i>Therm. at. 82°</i>		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Net had fished around the beam;

No. *Dr. 4631.* Date *3 November 04*Machine. *Lucas* Reel. *Lucas*Turns — Cor. + — Depth *774 fms.*Shot ~~or lead~~ *3 off with Snapper.*Bottom *gm. Sd.*Bottom temperature *38.5°*No. of thermometer *98241.* Cor. *5*Corrected temperature *~~79~~ 38*Air *85°* Surface *82°* DriftTrawl or dredge *9 Bl. Albatross see **

Am. SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

<i>11.45.55</i>	<i>12-7-20</i>	0	<i>12-14-15</i>	<i>2-25-00</i>
<i>47.20</i>	<i>6-00</i>	100	<i>18-00</i>	<i>20-50</i>
<i>48.30</i>	<i>4-50</i>	200	<i>21-20</i>	<i>16-45</i>
<i>49.40</i>	<i>3-35</i>	300	<i>24-40</i>	<i>12-05</i>
<i>50.50</i>	<i>2-20</i>	400	<i>28-10</i>	<i>08-30</i>
<i>52. —</i>	<i>12-01-00</i>	500	<i>31-40</i>	<i>05-00</i>
<i>53.10</i>	<i>59-40</i>	600	<i>36-00</i>	<i>2-01-00</i>
<i>54.25</i>	<i>58.25</i>	700	<i>39-30</i>	<i>57-20</i>
<i>55.20</i>	<i>11-57-30</i>	<i>774</i>	<i>42-50</i>	<i>53-00</i>
		800	<i>46-30</i>	<i>48-45</i>
		900	<i>51-10</i>	<i>43-40</i>
		1000	<i>53-00</i>	<i>36-40</i>
		1100	<i>57-45</i>	<i>1-29-30</i>
		1200	<i>1-05-45</i>	<i>1-28-30</i>
		<i>1209</i>	<i>09-30</i>	
		1800		
		1400		
		1500		
		1600	<i>* Tared 9 fms.</i>	
		1700	<i>Occasional strain on</i>	
		1800	<i>wire.</i>	
		1900	<i>Trawled for</i>	
		2000	<i>30 min.</i>	
		2100		
		2200		
		2300		
		2400		

*as before with
addition of 2 tail
weights.*

6-26 N. 81-49 W.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Dr. Course - NW.</i> <i>Cloudy. E. air from WSW.</i> <i>Bar. 29.78</i> <i>Therm. at'd. 84°</i>		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

6-2-33 V. 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538-1539-1540-1541-1542-1543-1544-1545-1546-1547-1548-1549-1550-1551-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741-1742-1743-1744-1745-1746-1747-1748-1749-1750-1751-1752-1753-1754-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-

4805

No.

Hy. 4504

Date

Machine.

Reel.

Turns

Cor.+

Depth 1885

Shot on lead

60th with Snapper

Bottom

Trace of green mud

Bottom temperature

37°

No. of thermometer

98241

Cor.

6

Corrected temperature

36.4

Air

52

Surface

54

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-15-45	11.17-15	0		
17-10	15-35	100		
19-0	14-15	200		
20-0	13-0	300		
20-30	11-30	400		
21-0	07-15	500		
22-50	07-15	600		
23-50	05-30	700		
24-50	03-40	800		
25-50	02-0	900		
26-50	11-00-00	1000		
28-0	58-10	1100		
29-0	56-10	1200		
30-0	54-0	1300		
31-10	52-10	1400		
32-25	50-05	1500		
33-30	48-45	1600		
34-30	45-30	1700		
35-45	42-35	1800		
10-37-0	10-39-45	1885		
Down 3 min		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Let screw ... out

5. 36 N. 82. 28 W.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Lat 3° 36' 4" N.
Long. 82° 28'

12.26.0

No. *Dr 4634* Date *4 Nov. 1904*
Lucas Machine. Reel. *Lucas*

Turns *Cor.* Depth *1729 fms.*

Shot or lead *60 lb*

Bottom *gn. M. G. S.*

Bottom temperature *36.5*

No. of thermometer *91241* Cor. *6*

Corrected temperature *35.9*

Air *57.7* Surface *50* Drift

Trawl or dredge: *Plankton net*

Am. SOUNDING WIRE.		TURNS.	Am. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.36.00	11.42.20	0	3 <i>Up and</i>	
37.20	39.30	100	<i>Kofrid</i>	
38.30	37.20	200	<i>Rate, with</i>	
39.30	35.05	300	<i>300 fms. line</i>	
40.20	32.45	400	<i>from dangle</i>	
41.15	30.20	500	<i>after dangle</i>	
42.10	28.00	600	<i>down - 1 - 4/5</i>	
43.10	25.35	700	<i>11.44-1.47</i>	
44.10	23.05	800		
45.15	20.30	900		
46.20	18.00	1000		
47.30	15.30	1100	<i>Line, when hauling</i>	
48.40	13.05	1200	<i>up, in danger</i>	
49.40	10.35	1300	<i>dangle and hauling</i>	
50.40	08.00	1400	<i>first dangle</i>	
51.20	05.00	1500	<i>then up.</i>	
52.40	11.02.00	1600		
53.40	09.45	1700		
10.55.30	10.57.25	1729		
		1800		
		1900		
<i>60 lb shot did not</i>		2000		
<i>detent and</i>		2100		
<i>was loose up.</i>		2200		
		2300		
		2400		

4-3540 N. 83-32.30 W.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

Clear.
 Sample taken from SS W.
 Time 29.81
 Therm 4.82"

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. *D. 4635* Date *4 November*

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *70°* Surface *71°* Drift

Trawl or dredge

No Sounding

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Two fms</i>		0	<i>1. 1. 1.</i>	<i>7. 1. 1.</i>
<i>towing</i>		100	<i>7. 3. 1.</i>	<i>7. 5. 1.</i>
		200		
		300		
<i>Surface</i>		400		
		500	<i>3. 1. 1.</i>	<i>7. 1. 1.</i>
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

3-52.5.11

84-14.3 W

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

Clear
 Lt. breeze from
 SSW
 Bar. 29.76'
 Therm. att. 80°

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

(Faint) Faint notes
 at same time & same
 No. (4635)

Lat. 3° 52.5' N.
 Long. 84° 14.3' W.

DeLong.

4806

No. 1141. 4505 Date June 5/01

Lucas Machine. Reel. Lucas

Turns Cor.+ Depth 1705

Shot or lead 35th & Snapper

Bottom gm m. Glob.

Bottom temperature 37.0

No. of thermometer 98241 Cor. 6

Corrected temperature 36.4

Air 77 Surface 78 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Down.	Up.		Down.	Up.
2-50-10	47-10	0		
1-50-10	44-40	100		
5-40-30	43-30	200		
5-40-10	41-10	300		
5-40-10	39-00	400		
5-40-10	37-50	500		
5-40-10	37-20	600		
1-50-10	35-55	700		
3-40-10	34-30	800		
4-40-10	33-10	900		
6-40-10	31-40	1000		
1-50-10	30-10	1100		
9-40-10	28-40	1200		
11-00-10	27-15	1300		
12-50-10	25-40	1400		
14-40-10	24-10	1500		
16-30-10	22-40	1600		
3-17-10	3-19-30	1700		
		1705		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Lat. 3° 11.6' N.
Long. 84° 57.43' W. ✓

No. *25. 4637* Date *5 Nov. 1904.*
Lucas Machine. Reel. *Lucas*
 Turns Cor.+ Depth *1541 fms*
 Shot ~~on lead~~ *35 lb and Snapper.*
 Bottom *ly G. ls lt gy. sh.*
 Bottom temperature *77.00 x 1*
 No. of thermometer *98241* Cor.
 Corrected temperature *No readi*
 Air *75°* Surface *77°* Drift
 Trawl or dredge *3 vert. Kofoids, dumpy dant.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>9. 10.00</i>	<i>9. 57.35</i>	0	<i>10. 17</i>	
<i>11.05</i>	<i>55.40</i>	100		
<i>12.10</i>	<i>54.00</i>	200		
<i>13.20</i>	<i>53.30</i>	300		
<i>16.20</i>	<i>52.10</i>	400		
<i>17.30</i>	<i>51.00</i>	500		
<i>18.45</i>	<i>49.35</i>	600		
<i>20.00</i>	<i>48.15</i>	700		
<i>21.15</i>	<i>46.55</i>	800		
<i>22.40</i>	<i>45.30</i>	900		
<i>24.00</i>	<i>44.00</i>	1000		
<i>25.20</i>	<i>42.30</i>	1100		
<i>26.50</i>	<i>41.00</i>	1200		
<i>28.20</i>	<i>39.30</i>	1300		
<i>29.45</i>	<i>38.00</i>	1400		
<i>31.15</i>	<i>36.25</i>	1500		
<i>9. 31.50</i>	<i>9. 35.15</i>	<i>1541</i>		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

x thermometer was
 turned when de-
 tached from stay
 line.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

Cloudy.
Gentle breeze, S.W.
Waves in bay.
Bar. 29.84
Therm. at 7°

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Lat. 1° 34' N. ✓
Long. 86° 32' W.

4636 is a long filter section.
2-44.5-N. 88-23.5-W.

No. *D1*Date *6**Lucas*

Machine.

Reel.

Lucas

Turns

Cor.+

Depth

1450

Shot or lead

35 lb. & Snapper

Bottom

Bottom temperature

No. of thermometer

98241

Cor.

Corrected temperature

No reading

Air

74°

Surface

75°

Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
	<i>16-40</i>	0	<i>5-10-30</i>	
	<i>16-45</i>	100	<i>7-10-30</i>	<i>11-10-30</i>
	<i>17-00</i>	200	<i>8-10-30</i>	<i>12-10-30</i>
	<i>17-15</i>	300	<i>9-10-30</i>	<i>1-10-30</i>
	<i>17-30</i>	400	<i>10-10-30</i>	<i>2-10-30</i>
	<i>17-45</i>	500		
	<i>18-00</i>	600		
	<i>18-15</i>	700		
	<i>18-30</i>	800		
	<i>18-45</i>	900		
	<i>19-00</i>	1000		
	<i>19-15</i>	1100		
	<i>19-30</i>	1200		
	<i>19-45</i>	1300		
	<i>20-00</i>	1400		
	<i>20-15</i>	1500		
	<i>20-30</i>	1600		
	<i>20-45</i>	1700		
	<i>21-00</i>	1800		
	<i>21-15</i>	1900		
	<i>21-30</i>	2000		
	<i>21-45</i>	2100		
	<i>22-00</i>	2200		
	<i>22-15</i>	2300		
	<i>22-30</i>	2400		

Lat 0-27' N
Long 87-13' W

7 0-27 N. 57. 13 W.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN. AM.	UP. PM.		DOWN.	UP.
2 Vertical Kalmals		2500	}	
1000 Heavy		2600		
Down 1000		2700		
8-55-50 9-20 50		2800		
8-57-50 8-53 50		2900		
300 feet		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1024

REMARKS:

Bar. 29.7
 Therm. 17
 Sea S. by E.
 Light Breeze S. S. W.
 Sky overcast
 Under way 10.15 AM

No. *Dr. 4634* Date *6 Nov. 1904**Lucas* Machine. Reel. *Lucas*Turns *7418* Cor. *- 0* = Depth *1418 fms*Shot ~~on lead~~ *35 lb and Snapper*Bottom *gy. gl. g.*Bottom temperature *36°*No. of thermometer *98241* Cor. *6*Corrected temperature *35.4*Air *77°* Surface *76°* DriftTrawl or dredge *Plankton net*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>1.04.25</i>	<i>1.41.10</i>	0	<i>Spaulding Trench,</i>	
<i>05.45</i>	<i>39.55</i>	100	<i>p. l. beam</i>	
<i>06.55</i>	<i>38.55</i>	200	<i>and 2 fathoms</i>	
<i>08.00</i>	<i>37.55</i>	300	<i>from beam</i>	
<i>09.00</i>	<i>36.55</i>	400		
<i>10.05</i>	<i>35.45</i>	500		
<i>11.15</i>	<i>34.40</i>	600	<i>out.</i>	<i>in.</i>
<i>12.25</i>	<i>32.20</i>	700	<i>1.44.10</i>	<i>1.59.10</i>
<i>13.35</i>	<i>32.20</i>	800	<i>= towing</i>	<i>15 min</i>
<i>14.55</i>	<i>31.05</i>	900		
<i>16.05</i>	<i>29.55</i>	1000		
<i>17.25</i>	<i>28.35</i>	1100		
<i>18.45</i>	<i>27.20</i>	1200		
<i>20.00</i>	<i>26.00</i>	1300		
<i>21.20</i>	<i>24.45</i>	1400		
<i>1. 21.40</i>	<i>1.24.15</i>	<i>1418</i>		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

Fair,
Moderate Sea and
Arrive from S.E.
Moderate breeze,
Bar. 29.82
Therm. 79.5

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Lat. 0° 04' S.
Long. 87° 39.5' W. ✓

P.L. 38.6

No. 4807

Date

Machine.

Reel. Lucas

Turns

Cor.

Depth 1432 fms

Shot or lead 35 lbs. & Snappers

Bottom gy. G.

Bottom temperature Foul Thermometer

No. of thermometer 98241 Cor.

Corrected temperature No reading

Air 75° Surface 75° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500	5-12-20	
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Lat. 0° 21' S.
 Long. 87° 57.5' W. ✓

DeLong

No. 4541

Date 6 June 1901

Lucas

Machine.

Reel. Lucas

Turns

Cor.

Depth 1061

Shot or lead 35th & Snapper

Bottom Snapper shell & empty

Bottom temperature 38°

No. of thermometer 98241

Cor. 6

Corrected temperature 37.4

Air 74°

Surface 75°

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	P.M. UP.		DOWN.	UP.
8-59-30	28-30	0		
9-01-30	27-00	100		
02-10	25-45	200		
03-10	24-40	300		
04-10	23-25	400		
05-10	22-10	500		
06-30	21-00	600		
07-10	19-40	700		
08-10	18-00	800		
09-10	17-15	900		
10-10	15-45	1000		
9-12-15	9-14-15	1061		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5 ft. Sounding Wire		2500	14" K. Rope 20 fms	
from Port Bow		2600	12" K. Rope 12 fms	
(Elect. Light Att)		2700	Towing cable	
Out.	14	2800	Out	in
PM	PM	2900	8-32-30	8-5-2-30
8-32-30	8-5-2-30	3000	P.M.	
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Bar. 29.84
Ther att. 77

Lat. D. 39.43
Long. 88° 11' 00" ✓

Long. 88° 11' 00" S.

p.l. = 65.8

11-1023

No. *D. 4641* Date *7 Nov. 04.*

Lucas

Machine.

Reel.

Lucas

Turns *633* Cor. *0*Depth *633 fms.*Shot or lead *35 lb with snapper*Bottom *lt. gy. sh. br.*Bottom temperature *40.0*No. of thermometer *98241*Cor. *0-*Corrected temperature *39.5*Air *76°*Surface *74°*

Drift

Trawl or dredge *8 Bl. 7 ft. as before*

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

8. 21. 20	8. 27. 00	0	8. 24. 00	10. 01. 00
02. 50	25. 25	100	39. 00	16. 00
04. 05	24. 05	200	42. 00	22. 40
05. 05	22. 40	300	47. 20	29. 00
06. 25	21. 10	400	52. 15	35. 40
07. 00	19. 50	500	57. 30	42. 00
07. 10	18. 30	600	9. 02. 10	37. 20
8. 15. 00	8. 18. 00	633	07. 00	33. 00
		500	9. 10. 00	9. 30. 30
		750		
		800		

*8. with sinker, L. S. and
 also plain ground anchor.
 2 fathoms, 1100
 2 fathoms, 1200
 2 fathoms, 1300
 2 fathoms, 1400
 2 fathoms, 1500
 2 fathoms, 1600
 2 fathoms, 1700
 2 fathoms, 1800
 2 fathoms, 1900
 2 fathoms, 2000
 2 fathoms, 2100
 2 fathoms, 2200
 2 fathoms, 2300
 2 fathoms, 2400
 lining is not.*

20 1/2 min.

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Dr. Cruise: R. N. E.</i> <i>Clear, for clouds</i> <i>Moderate breeze from S by W</i> <i>Moderate swell</i> <i>Bur. 29.86</i> <i>Therm. 77°</i>		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

Position = REMARKS:

Lat 1° 34.1' S
Long. 89° 30.2' W ✓

No. *4692* Date *7 Nov, 04.**Lucas* Machine. Reel. *Lucas.*Turns *300* Cor.+ - *0* Depth *300 fms.*Shot or lead *35 lb with snapper*Bottom *brk. Sh. Glob.*Bottom temperature *49.0*No. of thermometer *98211* Cor. *1/2*Corrected temperature *48.6*Air *74°* Surface *74°* DriftTrawl or dredge *8' Bl. S. as before with 10 fms. on frame at bottom of net.*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>15.27.00</i>	<i>12.42.25</i>	0	<i>10.25.00</i>	
<i>28.20</i>	<i>42.00</i>	100	<i>09.30</i>	<i>50.00</i>
<i>33.00</i>	<i>40.50</i>	200	<i>11.02.10</i>	<i>47.30</i>
<i>10.27.45</i>	<i>10.29.20</i>	300	<i>07.10</i>	<i>44.00</i>
		400	<i>11.15</i>	<i>39.45</i>
<i>Stop wire, not noticed</i>		500	<i>11.15.00</i>	<i>11.34.45</i>
<i>Sample about 15'</i>		600		<i>- 2 min.</i>
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

Dep. Course, 214 (1.24.11)
1 hr
Mod. breeze from S.W.
Mod. swell
Bar. 29.88
Ther. 81.0

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Position,
Lat. 10 30.5' S.
Long. 89 35' W.

No. *Dz.* 4643 Date 7 Nov. 04

Lucas Machine. Reel. Lucas

Turns Cor.+ Depth 100 fms

Shot or lead 35 lbs. and snapper

Bottom bk. Sh. Glob.

Bottom temperature 67.2°

No. of thermometer 98241 Cor. + 0

Corrected temperature 67.2

Air 76 Surface 74° Drift

Trawl or dredge 2' 10' 11' 12' 13' 14' 15' 16' 17' 18' 19' 20' 21' 22' 23' 24' 25' 26' 27' 28' 29' 30' 31' 32' 33' 34' 35' 36' 37' 38' 39' 40' 41' 42' 43' 44' 45' 46' 47' 48' 49' 50' 51' 52' 53' 54' 55' 56' 57' 58' 59' 60' 61' 62' 63' 64' 65' 66' 67' 68' 69' 70' 71' 72' 73' 74' 75' 76' 77' 78' 79' 80' 81' 82' 83' 84' 85' 86' 87' 88' 89' 90' 91' 92' 93' 94' 95' 96' 97' 98' 99' 100'

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

DOWN.	UP.	TURNS.	DOWN.	UP.
1-41-15	1-46-30	0	1-41-15	1-46-30
43-00	1-45-00	100	2-10-00	1-45-00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

* stopped letting out

allow dredge to clear ship - hoisted at

2-09-00

1 tangle lead

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>11. 20. 00</i>	<i>NW. x W.</i>	2500		
		2600		
<i>1. 1. 1. 1.</i>		2700		
<i>Moel, breeze from SE</i>		2800		
<i>1. 1. 1. 1.</i>	<i>"</i>	2900		
<i>Barometer 29.84</i>		3000		
<i>Thermometer 51°</i>		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
—				
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Lat. 1° 28.7" S. ✓
Long. 89° 48.5" W.

Tel. No.

No. Dr. 4644

Date 7/10/07

Lucas

Machine.

Reel. 1

Turns

Cor. +

Depth 1752

Shot or lead 35 lbs

Bottom gy. s. m. gy. s. m.

Bottom temperature 36° 00

No. of thermometer 98241 Cor. 6

Corrected temperature 35.4

Air 72° Surface 72° Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

PM. DOWN.	PM. UP.		DOWN.	UP.
P.M.	P.M.		P.M.	P.M.
22-15	22-15	0	5 ft. Surface Net	
20-45	20-45	100	From Port Boom	
19-40	19-40	200	(100 ft. 100 ft.)	
18-30	18-30	300	Out	11
17-15	17-15	400	8-2-40	8-25-30
16-00	16-00	500		
14-55	14-55	600		
13-50	13-50	700		
12-45	12-45	800		
11-40	11-40	900	12" 100 ft. 100 ft.	
10-35	10-35	1000	100 ft. 100 ft. 100 ft.	
9-30	9-30	1100	Twine 100 ft.	
8-25	8-25	1200	Out	11
6-5	6-5	1300	8-2-40	8-25-30
4-45	4-45	1400		
3-40	3-40	1500		
1-35	1-35	1600		
7-0-30	7-0-30	1700		
8-5-9-30	8-5-9-30	1752		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

Fair
Wind. Breeze S-S-E
Wind S. fresh
Cur. 27.59
Therm. att. 76°
Lat. 2° 13.3' S
Long 87° 42.2' W

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. *115* Date *8 Nov. 04.*Machine. *Lucas* Reel. *Lucas*Turns — Cor. + — Depth *1055 fms.*Shot or lead *35 lb and 80 lb*Bottom *14 gy fine sh. O.*Bottom temperature *25.8*No. of thermometer *98241* Cor. *6*Corrected temperature *35.8*Air *70°* Surface *70°* Drift *?*Trawl or dredge *8' B. 4' L. 2' H.*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.05.20	9.58.00	0	9.08.45	1-03.00
06.45	56.45	100	12.30	57.45
08.00	55.45	200	17.05	54.45
09.10	54.45	300	20.20	51.45
10.20	52.25	400	22.45	48.45
11.30	52.30	500	27.10	45.45
12.45	51.25	600	30.45	42.45
14.00	50.15	700	35.00	39.45
15.15	49.05	800	38.45	36.45
16.30	47.55	900	42.30	33.45
17.45	46.40	1000	46.00	30.45
19.00	45.30	1100	51.00	27.45
20.15	44.05	1200	55.00	24.45
21.30	42.45	1300	59.00	21.45
22.45	41.25	1400	10.02.00	18.45
24.00	40.00	1500	07.30	15.45
25.15	38.20	1600	11.00	12.45
26.45	37.00	1700	16.00	9.45
28.00	35.30	1800	19.50	6.45
29.15	34.00	1900	23.40	3.45
30.30	32.00	2000	27.20	0.45
8.31.45	30.00	2100	21.05	
		2200	24.50	
		2300	28.30	
		2400	10.42.00	11.25.00

Note: (1) *5 fms*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Lat. 3° 47.5' S		2500	10. 45.20	11. 15. 10
Long. 89° 25' W		2600	= Towing	
Dr. (Cable 41 1/2 L. 2)		2700		
Overcast		2800		
Lat. 3° 47.5' S		2900		
Long. 89° 25' W		3000		
Bar. 29.94		3100		
Therm. 75°		3200		
		3300		
		3400		
		3500		
		3600		
No bottom		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

*) Current 1/2 mi. S. of station, wind.

Lat. 3° 37.5' S
Long. 89° 43.1' W ✓

DeLong

No. 4446 Dr.

Date

July 8/1907

Machine.

Reel.

Turns

Cor. +

Depth 2057 fms

Shot or lead

35 lb. 100 lb.

Bottom

lt. gy. s. br. gla. Oz.

Bottom temperature

36.0

No. of thermometer

98241

Cor.

-6

Corrected temperature

35.4

Air

72°

Surface

70°

Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

8-16.30	9.17.30	0	5-10.00	8-06.00
18.00	16.00	100	5-14.00	8-01.30
19.10	14.20	200	5-18.00	8-01.30
20.20	12.00	300	5-22.00	8-01.30
21.30	11.45	400	5-26.00	8-01.30
22.40	10.20	500	5-30.00	8-01.30
24.00	09.10	600	5-34.00	8-01.30
25.10	07.50	700	5-38.00	8-01.30
26.30	06.25	800	5-42.00	8-01.30
27.40	05.00	900	5-46.00	8-01.30
29.10	03.30	1000	5-50.00	8-01.30
30.40	01.55	1100	5-54.00	8-01.30
32.00	7.00 20	1200	5-58.00	8-01.30
33.15	58.45	1300	5-62.00	8-01.30
34.35	57.15	1400	5-66.00	8-01.30
36.00	55.45	1500	5-70.00	8-01.30
37.20	54.15	1600	5-74.00	8-01.30
38.40	52.40	1700	5-78.00	8-01.30
40.00	51.00	1800	5-82.00	8-01.30
41.25	49.20	1900	5-86.00	8-01.30
42.50	47.35	2000	5-90.00	8-01.30
8. 43.30	8.15.55	2057	5-94.00	8-01.30
		2100	5-98.00	8-01.30
		2200	5-102.00	8-01.30
		2300	5-106.00	8-01.30
		2400	5-110.00	8-01.30

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2000 fath				
2 ft surface		2500	12 ¹¹ H. 58 ¹¹ 7.00	
Net from Port		2600	14 ¹¹ " "	
Bottom dark grey		2700	16 ¹¹ " "	
alt.		2800	18 ¹¹ " "	
		2900	20 ¹¹ " "	
		3000	22 ¹¹ " "	
7-5-30	7-34-30	3100	24 ¹¹ " "	
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	Clear			
200	South breeze from S.E.			
300	Dark. In Sea			
400	Surf. 79.82			
500	Ther. at 76°			
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Lat. 40° 01.6' S
Long. 89° 16.3' W. ✓

No. *D 4647* Date *9 November 1904**Lucas* Machine. Reel. *Lucas*Turns — Cor. + — Depth *2005 fms.*Shot or lead *Shot (35^{lb}) and Snapper*Bottom *lk. glob. Oz. mixed with br.*

Bottom temperature

No. of thermometer Cor. *6*Corrected temperature *36.4*Air *72°* Surface *70°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN. A.M.	UP. P.M.
		0		1-41
		100		44-30
		200		40-30
		300	15	21-30
		400	1	32-30
		500		27-30
		600	21-15	24-15
11		700	35-15	23-15
		800	71	19-15
		900	37-30	14-30
		1000	71-15	11-00
1		1100	45-30	07-45
		1200	71-30	04-15
		1300	37-30	1-11-15
		1400	71-30	01-30
		1500	5-45	52-30
		1600	10-15	4-15
		1700	7-15	43-30
		1800	11-30	39-30
		1900	14-30	35-35
		2000	17-30	31-35
		<i>2005</i>		
		2100	20-30	27-20
		2200	23-30	22-20
		2300	26-30	17-45
		2400	34-30	13-30

Hy. net

Shot Bag - 2 tail weig.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP. P.M.
		2500	12-10-30	108-43
		2600	11-10-30	12-04-00
		2700	11-10-30	11-10-30
		2800		
		2900		
		3000	11-10-30	11-10-30
		3100	11-10-30	
		3200		
		3300		
		3400		
		3500		
		3600	11-10-30	30 min
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
	71.6	read at 77.8	= 77.	
	71.5	108026	11.5.	58.8
50	59.4	108114	-.4	58.6
100	57.4	104114	-.6	56.8
200	51.	108025	-.4	50.4
300	46.	108151	-.6	45.3
400	43.6	104922	-.6	42.8
500				
600	40.8	108156	-.6	39.7
700				
800	38.8	108155	-.7	37.4
900	38.5			37.8
1000	Down 3 min 10 s		2.25	2.25-10 PM
	14" #20			500 fath.

11-1023

REMARKS:

Cloudy
Gentle breeze from
S. E. x E.
Bar. 29.87"
Therm. air. 77°

Lat. 4°-33' S.
Long. 87° 42.5' W. ✓

No.

4648 Date

9 Nov. 1881.

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

No

Sounding

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

72.0

Surface

70.0

Drift

Trawl or dredge X)

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN. (I.)	UP.
		0	7.04.00	7.54.00
		100	08.00	46.15
		200	12.00	46.15
		300	15.00	46.20
		400	7.18.20	7.38.20
		500		
		600		
		700	X I. One 5' Tow.	
		800	2nd and 2nd	
		900	(20) Kite on the	
		1000	wire	
		1100	II. Kite with	
		1200	elec. bell going	
		1300	from 1000 ft.	
		1400	III. 2nd tow	
		1500	Kite on the	
		1600	wire	
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	<i>Lat. 4° 43' S. ✓</i> <i>Long. 87° 07.5' W</i> <i>Fab. nearly clear.</i> <i>Gentle breeze, S.E.</i> <i>Moderate sea.</i> <i>Bar. 29.82</i> <i>Therm. air 75°</i> <i>D. 80 S. 88 E.</i>	
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200	<i>62.</i> <i>04 - 7.21 = 17</i>			
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Veith De Long's P.I. 30.5 miles

No. *Dr. 4649* Date *10 November '04*

Tucan Machine. Reel. *Tucan*

Turns *—* Cor. + *—* Depth *2235 fms*

Shot or lead *—*

Bottom *stgy gy. sp. (sandy green)*

Bottom temperature *36*

No. of thermometer *98241* Cor. *-6*

Corrected temperature *35.4*

Air *71°* Surface *70°* Drift *1 mile E. & S.*

Trawl or dredge *8' Blake Albatross*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>8-3-00</i>	<i>6-00</i>	0	<i>13-30</i>	<i>1-00</i>
<i>4-20</i>	<i>4-50</i>	100	<i>17</i>	<i>34-30</i>
<i>3-30</i>	<i>4-00</i>	200	<i>19-30</i>	<i>31-00</i>
<i>6-30</i>	<i>2-30</i>	300	<i>24-30</i>	<i>28-00</i>
<i>7-35</i>	<i>1-20</i>	400	<i>27-30</i>	<i>25-00</i>
<i>8-45</i>	<i>9-00-00</i>	500	<i>30-00</i>	<i>21-00</i>
<i>9-55</i>	<i>58-00</i>	600	<i>32-45</i>	<i>17-00</i>
<i>11-05</i>	<i>56-40</i>	700	<i>36-30</i>	<i>13-00</i>
<i>12-10</i>	<i>55-20</i>	800	<i>39-10</i>	<i>9-00</i>
<i>13-20</i>	<i>53-55</i>	900	<i>42-00</i>	<i>6-00</i>
<i>14-30</i>	<i>52-25</i>	1000	<i>45-10</i>	<i>03-00</i>
<i>15-40</i>	<i>50-55</i>	1100	<i>48-25</i>	<i>1-00</i>
<i>16-55</i>	<i>49-20</i>	1200	<i>51-40</i>	<i>3-00</i>
<i>18-05</i>	<i>47-45</i>	1300	<i>55-00</i>	<i>3-30</i>
<i>19-20</i>	<i>46-00</i>	1400	<i>58-20</i>	<i>4-00</i>
<i>20-35</i>	<i>44-15</i>	1500	<i>10-1-00</i>	<i>4-30</i>
<i>21-50</i>	<i>42-35</i>	1600	<i>5-00</i>	<i>4-00</i>
<i>23-05</i>	<i>40-55</i>	1700	<i>10-10</i>	<i>3-30</i>
<i>24-20</i>	<i>39-20</i>	1800	<i>15-30</i>	<i>3-00</i>
<i>25-40</i>	<i>37-40</i>	1900	<i>18-15</i>	<i>1-00</i>
<i>26-55</i>	<i>36-00</i>	2000	<i>21-45</i>	<i>27-00</i>
<i>28-15</i>	<i>34-25</i>	2100	<i>25-20</i>	<i>24-00</i>
<i>29-30</i>	<i>32-40</i>	2200	<i>28-45</i>	<i>21-00</i>
<i>8-30-00</i>	<i>8-32-00</i>	2235	<i>32-20</i>	<i>18-00</i>
		2300	<i>36-05</i>	<i>15-00</i>
		2400		

x with Sinker, plain & pan sinker, 2 lbs
And Bag - 2 Butterfly nets

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
			A.M.	
		2500	10-5-55	12-04-20
		2600	43-50	48-30
		2700	47-50	54-20
		2800	51-10	50-20
		2900	55-00	45-45
		3000	10-59-10	11-40-00
		3100	11-10-10	
		3200	Set watch with ship's time	
		3300	Clock put ahead 11 min.	
		3400	11-00 A.M.	
		3500		
		3600	Lined	
		3700		
		3800	Stopped at 2:50 P.M.	
		3900	up 1/2 min to start	
		4000	rest on beach.	

Dredge: coarse E. x S

PM. SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
Surface	71.0	Read at 75.0		
25	63.4	108026	n.s.	
50	58.3	108154	-.5	62.7
100	56.1	108156	-.5	57.5
200	51.7	108155	-.5	55.6
300	45.7	108155	-.7	50.3
400	43.4	104922	-.6	45.1
500				42.8
600	40.6	104922	-.8	39.8
700				
800	39.7	104924	-.7	39.
900				
1000				

11-1023

REMARKS:

Bar. 29.89
Thermom. at 11. 78°

Lat. 5 12' N.
Long. 45 12' W.
55.

No. *4650* Date *10 Nov. 1904*

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *71°* Surface *71°* Drift *0.9 mi.*Trawl or dredge *Intermediate and x)*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>7.03.40</i>	<i>7.52.00</i>
		100	<i>07.40</i>	<i>48.15</i>
		200	<i>11.00</i>	<i>45.00</i>
		300	<i>14.40</i>	<i>41.50</i>
		400	<i>7.18.20</i>	<i>7.38.00</i>
		500	<i>= 20 min.</i>	
		600		
		700	<i>x) 2-ft Kofrid</i>	
		800	<i>4000 with electr.</i>	
		900	<i>light, from p. l. b.</i>	
		1000	<i>and</i>	
		1100	<i>Two short Kofrid</i>	
		1200	<i>4/2 towing astern</i>	
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

The intermediate consists of 5-ft cone. Net and

2 bags of 20 Kofrids, on dredging wire

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Lat. 5° 22' 2 S.		2500	5-21 S	✓
Long. 84° 39' W.		2600	84-39 W	
Course, East.		2700		
Close by to land.		2800		
Not made large from	S. 2500.			
Not made land.		3000		
Bar. 29.84		3100		
Therm. at. 74.3		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	7:03	7.22		20 min.
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 4651 Date 11 Nov. '01

Machine. Reel.

Turns Cor.+ Depth 2222 fms

Shot ~~or lead~~ 60 lb. and Snapper

Bottom stky. fine gy. M.

Bottom temperature 36°

No. of thermometer 98241 Cor. - 0.6

Corrected temperature 35.4

Air 7.5 Surface 7.5 Drift 0.1 1.5

Trawl or dredge 8' Blake Hydrog. same as before

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-1-15	3-10	0	9-12-00	1-31-55
7-20	2-10	100	10-10	27-55
6-30	1-10	200	11-20	24-55
5-40	9-40-10	300	12-30	21-55
4-50	8-50	400	13-40	17-20
3-50	7-50	500	14-50	12-40
2-50	6-50	600	16-00	9-40
1-50	5-50	700	17-10	6-40
1-50	4-50	800	18-20	1-2-30
1-50	3-50	900	19-30	59-20
1-50	2-50	1000	20-40	56-00
1-50	1-50	1100	21-50	52-15
1-50	0-50	1200	23-00	48-15
1-50	0-50	1300	24-10	44-20
1-50	0-50	1400	25-20	41-00
1-50	0-50	1500	26-30	37-15
1-50	0-50	1600	27-40	33-30
1-50	0-50	1700	28-50	29-40
1-50	0-50	1800	29-50	25-20
1-50	0-50	1900	31-00	21-10
1-50	0-50	2000	32-10	16-45
1-50	0-50	2100	33-20	12-30
1-50	0-50	2200	34-30	08-10
1-50	0-50	2300	35-40	03-40
1-50	0-50	2400	36-50	59-30

5-4175, 82-59710.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	10-36-40	55-20
		2600	40-20	51-2
		2700	43-55	47-45
		2800	47-15	44-15
		2900	50-30	39-00
		3000	10-54-00	11-32-00
		3100		
		3200		
		3300	Tide out about 8 ^{mi} at 11-10 AM	
		3400	Dredged 30 mi.	
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

Dredge course - S. x

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	60.4	108154	- .3	60.1
50	59.1	108151	- .27	58.8
100	57.9	108156	.35	57.5
200	52.0	104924	.66	51.3
300	49.0	108155	.76	48.2
400	45.0	108158	.6	44.4
500				
600	41.1	108025	.5	40.6
700				
800		108155	.6	39.5
900				
1000				

REMARKS:

Clear.

Slightly hazy from SE.

Med. Sea.

Bar. 29.94"

Therm. attached 73.5°

DeLong

No. D^t 4651-A : Date Nov. 11/04.

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-25	61.9	104807	-.4	61.5
10-50	60.9	104808	-.3	60.6
20-100	60.1	104809	-.35	59.9
40-200	Tailed to the	104811	✓	
50-400	57.2	104812	-.34	56.8
75-500	57.2	104815	-.3	56.9
100-600	57.2	104816	-.37	56.8
700	Remained at bottom at 2-49.20			
800	Repaired to bottom at 2-50.00			
900	Remained at bottom at 3-01.10			
1000	at 3-01.10			

11-1021

REMARKS:

Clear
Gentle Breeze S.E.
Smooth Sea

Lat. 35° 41.7' S
Long. 82° 48' W

Bar 29.74
Ther at 78°

Alt. No. *Dr. 4652* Date *11 Nov. 04*

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom *No Sounding*

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *69°* Surface *66°* Drift

Trawl or dredge *Intermediate to Surface*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

x) One 5' Core and Two 1/2" Ropes to 400 Lvs. V. 1/2" Ropes 500 fms cable		0	7.02.00	7.31.00
		100	05.30	56.50
		200	04.40	48.00
		300	12.30	40.40
		400	15.40	42.30
		500	7.19.10	7.39.50
		600		
		700		20.00
		800		
		900		
One 2" Core and Two 1/2" Ropes to 1200		1000		
		1100		
		1200	7.03 - 7.23	20.00
		1300		
		1400		
V. 1/2" Ropes Intermediate One 2" Core and Two 1/2" Ropes to 2000 2nd Haul 2000 fms cable		1500	8-11-00	8-48-45
		1600	14-30	45-15
		1700	17-30	42-15
		1800	20-00	8-40-00
		1900		
		2000	2nd Haul	20 mi
		2100		
		2200	8-20 to	8-40
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	P.	
		2500		
		100		
		2600		
		2700		
100 fms		2800		
130 "	cable	2900	3 rd Haul 20 m	
		3000		
		3100	4 to 9 - 24 PM	
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Lat. 5° 44.7 S. ✓ Course East
 Long. 120° 31.1 W.
 Clear
 S. breeze from E
 Moderate Sea.
 Bar. 29.9
 Temp. 75°

Debt / *Alm* H. 4808.

No. ~~H. 4807~~

Date Nov. 12/07

Lucas

Machine.

Reel. Lucas

Turns

Cor. +

Depth 2312 fms.

Shot or lead 35th & 8 m

Bottom *fine sand & shells*

Bottom temperature 35.5

No. of thermometer 98241

Cor.

6

Corrected temperature 34.9

Air 65°

Surface 64°

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7-1-00	8. 14-00	0		
7-45	12-30	100		
7-50	11-25	200		
10-05	10-20	300		
11-10	09-15	400		
12-30	08-00	500		
13-40	06.55	600		
14-55	05.45	700		
16-10	04.30	800		
17-25	03.15	900		
18-50	01.55	1000		
20-00	8. 00.30	1100		
21-15	59.05	1200		
22-30	57.40	1300		
23-50	56.05	1400		
25-10	54.30	1500		
26-30	53.10	1600		
27-50	51-10	1700		
29-10	50-10	1800		
30-30	48-10	1900		
31-55	46-10	2000		
33-15	44-10	2100		
34-40	41-35	2200		
36-10	39-00	2300		
7. 36-10	7. 38-20	2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Bar 29.94
 Ther Cott. 71°
 Lat. ~~52.1~~ 52.1 S. 52.1 S.
 Long. ~~46.6~~ 46.6 W. 46.6 W. ✓

p.l. 96.3

No. 12-4657 Date 12 Dec. 1904

Lucas Machine. Reel. Lucas

Turns Cor.+ Depth 536 fms.

Shot or lead 35 lb and Snapper

Bottom dk br vol M.

Bottom temperature 41.8°

No. of thermometer 98241 Cor. 5°

Corrected temperature 41.3

Air 66° Surface 65° Drift S. abt 1 mile

Trawl or dredge 8-22 Bl.-Fl. no net

SOUNDING WIRE.

TURNS.

DREDGE ROPE. pm.

DOWN.

UP.

DOWN.

UP.

10.27.00	10.41.05	0	10.48.00	11.00.00
28.10	40.00	100	51.10	11.05.00
29.15	39.00	200	54.35	11.10.00
30.25	38.00	300	58.15	11.15.00
31.35	36.55	400	11.01.45	11.20.00
32.40	35.45	500	05.25	11.25.00
10.33.10	10.35.10	536	09.30	11.30.00
		600	13.10	11.35.00
		700	11.17.00	11.40.00
		800		
		900	(not clear)	
		1000	8' 2' 10"	
		1100	standing	30 min.
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Veil
12

5-47 S, 81-24 W.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Lat. 52° 47' S		2500		
Long. 81° 24' W		2600		
At. Course South		2700		
Clear, hazy over land		2800		
Gentle breeze, SE x E		2900		
Smooth sea.		3000		
Bar. 29.97		3100		
Therm at. 64°		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Veith
 No. *47* Date *12 November 1904*

Lucas Machine. Reel. *Lucas*

Turns Cor.+ Depth *685 fms.*

Shot ~~on lead~~ *35 lbs. and Sn.*

Bottom

Bottom temperature

No. of thermometer *98241* Cor. *5-*

Corrected temperature *38.5*

Air *66°* Surface *63°* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-1-00</i>	<i>1-19-3</i>	0		
<i>2-40</i>	<i>18-30</i>	100		
<i>4-00</i>	<i>17-1</i>	200		
		300		
		400		
		500		
		600		
	<i>1-11-1</i>	700		
		800		
		900		
		1000		
<i>5-16-5</i>		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1024

REMARKS:

Vet. Det.

P. L. 7.3

No. *D. 4654* Date *12 November 18**Lucas* Machine. Reel. *Lucas*Turns Cor.+ Depth *1036 fms.*Shot or lead *35 lbs.* SinkerBottom *dk. br. M.*Bottom temperature *37.9°*No. of thermometer *98241* Cor. *6*Corrected temperature *37.3*Air *66°* Surface *62°* Drift *1 mi. S. by E.*Trawl or dredge *3 ft. beam trawl*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>P. M.</i>			<i>P. M.</i>	
<i>1-50-45</i>	<i>2-17-20</i>	0	<i>2-20-00</i>	
<i>52-00</i>	<i>16-05</i>	100	<i>25-30</i>	
<i>53-10</i>	<i>15-00</i>	200	<i>28-00</i>	
<i>54-20</i>	<i>13-55</i>	300	<i>31-00</i>	
<i>55-30</i>	<i>12-50</i>	400	<i>34-00</i>	
<i>56-40</i>	<i>11-45</i>	500	<i>37-00</i>	
<i>57-50</i>	<i>10-40</i>	600	<i>40-00</i>	
<i>59-00</i>	<i>9-35</i>	700	<i>43-00</i>	
<i>2-00-10</i>	<i>8-30</i>	800	<i>46-00</i>	
<i>1-20</i>	<i>6-55</i>	900	<i>49-00</i>	
<i>2-35</i>	<i>5-35</i>	1000	<i>52-00</i>	
<i>3-50</i>	<i>2-5-00</i>	<i>1036</i>	<i>55-00</i>	
		1100	<i>58-00</i>	
		1200	<i>61-00</i>	
		1300	<i>10-15</i>	<i>59-15</i>
		1400	<i>11-00</i>	<i>58-00</i>
		1500	<i>12-00</i>	<i>57-00</i>
		1600		
		1700		
		1800	<i>Dredged 30 min.</i>	
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1024

REMARKS:

*Clear & moon
Sounding wire
1000 fms*

*Lat. 5° 46' S
Long 81° 31' W*

*Bar. 29.89
Therm. attached 71.5°*

No. *DT 4155*Date *Nov. 12/04*

Machine. Reel.

Turns

Cor.+

Depth

Shot or lead

Bottom *71. S. m. l. g.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *66°*Surface *65°*

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

From Dredge Box

0

*7-04-00**7-29-00**1-5 ft. net*

100

42-520 ft. net

200

*11-20**7-29-00**1-5 ft. net*

300

*11-20**7-29-00**1-5 ft. net*

400

*17-00**7-29-00**1-5 ft. net*

500

*7-29-00**7-29-00**1-5 ft. net*

600

1-5 ft. net

700

1-5 ft. net

800

*6-04**1-5**1-5 ft. net*

900

*7-04-30**7-29-00**1-5 ft. net*

1000

1-5 ft. net

1100

1-5 ft. net

1200

1-5 ft. net

1300

1-5 ft. net

1400

1-5 ft. net

1500

1-5 ft. net

1600

1-5 ft. net

1700

1-5 ft. net

1800

1-5 ft. net

1900

1-5 ft. net

2000

1-5 ft. net

2100

1-5 ft. net

2200

1-5 ft. net

2300

1-5 ft. net

2400

*1-5 ft. net**1-5 ft. net**1-5 ft. net**1-5 ft. net**1-5 ft. net**1-5 ft. net*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Overcast
Smooth Sea.
Light Breeze S.E.
Bar 29.92°
Ther Att. 70°

Lat. 5-57.5 S. ✓
Long. 81-40' W.

p.l. = 40.4

No. 5056. Date 13 Nov. 1904.

Machine. Reel.

Turns Cor. Depth 2222 fms.

Shot or lead 60 lb and Snapper

Bottom for 50 ft. many fms.

Bottom temperature 35.8°

No. of thermometer 98241. Cor. 6

Corrected temperature 35.2

Air 60° Surface 55° Drift 1/2 E, 1/2 S

Trawl or dredge 8' B.D. on bottom.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	THURNS. Fms.	DOWN.	UP.
8. 04.50	9. 15.10	0	9. 14.50	56-00
06.05	04.00	100	15.30	52-00
07:05	02.00	200	22.20	50-15
08.40	01.55	300	28.20	48-00
09.05	01.00.00	400	32.20	46-00
10.10	59.50	500	36.10	44-00
11:10	58.50	600	40.00	42-00
12.20	57.50	700	43.50	40-00
13.25	56.50	800	47.45	38-00
14.40	55.50	900	51.15	36-00
15.45	54.50	1000	54.45	34-00
16.55	53.45	1100	58.05	32-00
18.05	50.10	1200	06.45	55-00
19.10	48.30	1300	10.25	51-00
20.20	46.00	1400	14.05	47-00
21.30	45.10	1500	17.20	42-50
22.45	43.25	1600	21.50	38-00
24.00	41.30	1700	25.25	33-30
25.15	39.45	1800	29.50	29-00
26.25	38.05	1900	33.15	25-00
27.35	36.20	2000	36.40	21-00
28.40	34.25	2100	40.15	17-00
29.50	32.45	2200	43.45	13-00
8. 30.10	30.10	2222	47.15	09-00
		2300	50.51.15	05-00
		2400		

6-54,6 S. 83-34.3 W.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		Am. DOWN.	UP. Am.
Lat. 1° 51' S.		2500	10. 57.00	12-58-30
Long. 83° 34' W.		2600	58.30	54-00
Course 1 E by E 1/2 E		2700	11. 02.00	49-30
Cloudy		2800	05.50	45.00
Lt. breeze from S E by E		2900	09.40	40.50
Moderate S E		3000	11. 13.20	11. 34.45
B. 29.95		3100	set clock	
Therm at 72.8°		3200	9' back =	
		3300	Timing 20 min.	
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. Dr. 465

Date July 13, 1901

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom /

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 70°

Surface 69°

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

From edge of bottom	0	Out	In
1-5 ft Core	100	7-4-00	5-4-00
2-5 ft Core	200	8-00	5-0-30
3-5 ft Core	300	11-40	4-7-15
4-5 ft Core	400	16-15	4-4-00
5-5 ft Core	500	7-20-30	7-4-30
+ Towell for 20	600		
	700		
	800		
	900		
	1000		
	1100	Out	In
1-10 ft Core	1200	7-3-30	7-23-30
2-10 ft Core	1300		
	1400		
	1500		
	1600		
	1700	Out	In
	1800	7-3-30	7-23-30
1-2 ft Core	1900		
2-2 ft Core	2000		
	2100		
	2200		
	2300		
	2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

11-1023
Pair
Bar 29.83 Ther at 74°
Mo. 1 Range S.E.
Ther Sea.

Lat 7° 12.5' S. ✓
Long 81° 24' W.

No. *Dr. 458* Date *14 Nov. 1904.*Machine. Reel. *Lucas*Turns Cor. Depth *2270 fms.*Shot or lead *60 lb. and Snapper.*Bottom *fine gn. s. m. gy. m.*Bottom temperature *35.9* *6*No. of thermometer *9124* Cor.Corrected temperature *35.3*Air *70* Surface *70* Drift *N 62° E. 1 mile*Trawl or dredge *8-ft Bl. - fine m. bottom.*

AM. SOUNDING WIRE.

DOWN.	UP.	TURNS.
8.02.30	0.02.00	0
03.40	09.00.45	100
04.15	08.59.40	200
06.00	58.35	300
07.05	57.30	400
08.05	56.25	500
09.05	55.15	600
10.05	54.10	700
11.00	53.00	800
12.10	51.55	900
13.15	50.45	1000
14.20	49.30	1100
15.25	48.10	1200
16.30	46.55	1300
17.35	45.45	1400
18.45	44.15	1500
19.55	42.50	1600
21.05	41.25	1700
22.15	40.00	1800
23.30	38.30	1900
24.30	37.00	2000
25.40	35.30	2100
26.50	34.00	2200
28.00	32.20	2300
29.00	31.00	2400

DREDGE ROPE.

DOWN.	UP.
9.07.00	1.58.00
10.35	57.15
14.15	56.20
17.30	47.45
21.15	46.20
24.55	41.00
28.15	37.15
31.50	35.00
35.30	30.45
39.00	28.00
42.50	21.40
46.00	17.15
49.50	12.40
53.00	8.00
57.00	4.00
10.00.30	1.58.00
04.45	58.15
08.30	54.30
12.15	50.50
16.00	46.50
20.00	42.00
23.30	36.55
27.00	31.00
30.00	27.00
10.55.45	21.00

8-29.5-S 185-35.6 W

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP. m.
Lat. 5° 5' S.		2500	10.37.30	12-20
Long. 85° 35.6 W.		2600	41.15	12-4-00
Dr. Course N 62° E		2700	45.00	56-00
Overcast		2800	48.30	49.45
Small breeze, ESE		2900	52.00	43.45
Moderate Sea		3000	55.30	37.45
Bar. 29.92		3100	10.59.00	32.00
Therm. Air. 72.8°		3200	11.02.45	11.24.45
		3300	Set watch	
		3400	8' break	
		3500	Trailing 30 min.	
		3600		
		3700		
		3800		
		3900		
		4000		

With 12-M

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

averaging from 3 to 5"

11-1023

REMARKS:

Veith Cont

No. Dr. 4658

Date 14 November

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

79°

Surface

72°

Drift

Trawl or dredge

No Sounding

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Tanner Instrument

Powered to 300

Overcast & Cloudy

Light breeze

Temp. 78.8°

Tanner Instrument

up found by hall

not tripped

lines twisted

arrested cut

caused by ball-bearing

swivel allowing net

to revolve too easily

... bearing

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Lat. 8° 54.5' S ✓		2500		
Long. 86° 05.5' W		2600		
Clear		2700		
Lt. breeze S S E		2800		
Ward-race Pen		2900		
Bar. 29.86		3000		
Therm. 74		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Cut off 10 fms. of dredging cable,
it having fouled in the gird.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Not down</i>		2500	<i>10-10</i>	<i>1-15-12</i>
<i>repeated</i>		2600	<i>41-13</i>	<i>12-17-42</i>
<i>and hanging by</i>		2700	<i>44-35</i>	<i>42</i>
<i>side. In S. G. P.</i>		2800	<i>48-00</i>	<i>00-00</i>
<i>home.</i>		2900	<i>51-20</i>	<i>12-12-15</i>
		3000	<i>54-00</i>	<i>4-00</i>
		3100	<i>58-30</i>	<i>37-30</i>
		3200	<i>11-00</i>	<i>00-00</i>
		3300	<i>12-00</i>	<i>00-00</i>
		3400		
		3500		
		3600		
		3700	<i>12-00</i>	<i>00-00</i>
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS: Cable stretched 10 feet.

Stopped at 12-18⁰⁰ for 12 min. Cam. registration
from 2000 to 4000 " " 4 to 46

Am 11/1

1007
No. 4661. Date 15 Nov. 1904.

Machine. Reel.

Turns Cor.+ Depth
Shot or lead
Bottom
Bottom temperature
No. of thermometer Cor.
Corrected temperature
Air 69° Surface 69° Drift
Trawl or dredge

100 fms. Sounding

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5' Reel net and		0	7.04.15	7.54.30
2 20 fms. Reel		100	07.45	44.45
400 fms. wire.		200	10.30	45.45
(Intermediate)		300	15.00	42.30
		400	7.18.15	7.29.00
		500		
		600	= 20 min	
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
1 5' Surface net.		1400		
with electric lt.		1500		
from L.L.B.		1600	out: 1/2	
and		1700	7.04.15 - 7.24.15	
17 12" Reel, 12 fms.		1800		
1 14' " " " "		1900	= Towing 20 min	
astern		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
Lat. 10° 17'		S. 2500	✓	
Long. 88° 02'		W. 2600		
Fair, almost clear.		Brig E mron,		
Gentle breeze, S.E.		2800		
Bar. 29.90		2900		
Therm. at. 74°		3000		
For Course, N.E.		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 112: 4662 Date 14 Nov. 07

Lucas Machine. Reel. Lucas

Turns Cor. 4 Depth 2439 fms.

Shot and lead 60 lb. and 10 lb.

Bottom (see "Remarks")

Bottom temperature 35.8°

No. of thermometer 98241 Cor. 6

Corrected temperature 35.2

Air 70° Surface 60° Drift 2 mi. N. 21 E.

Trawl or dredge 6' Lucas

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-33-30	8-36-00	0	7-14-30	8-36-00
1-30	8-35-30	100	20-00	8-35-30
7-30	8-35-00	200	23-30	8-35-00
6-30	8-34-30	300	26-55	8-34-30
5-30	8-34-00	400	30-15	8-34-00
15-30	8-33-30	500	33-45	8-33-30
11-30	8-33-00	600	37-00	8-33-00
10-30	8-32-30	700	40-20	8-32-30
10-30	8-32-00	800	43-45	8-32-00
10-30	8-31-30	900	47-10	8-31-30
10-30	8-31-00	1000	50-35	8-31-00
17-30	8-30-30	1100	54-00	8-30-30
18-30	8-30-00	1200	57-25	8-30-00
19-30	8-29-30	1300	10-00	8-29-30
20-30	8-29-00	1400	1-15	8-29-00
21-30	8-28-30	1500	4-40	8-28-30
22-30	8-28-00	1600	7-15	8-28-00
23-30	8-27-30	1700	10-40	8-27-30
24-30	8-27-00	1800	14-05	8-27-00
25-30	8-26-30	1900	17-30	8-26-30
26-30	8-26-00	2000	21-00	8-26-00
27-30	8-25-30	2100	24-25	8-25-30
28-30	8-25-00	2200	28-00	8-25-00
29-30	8-24-30	2300	31-25	8-24-30
30-30	8-24-00	2400	35-00	8-24-00
8-33-30	8-36-00	2439	45-05	12-02-30

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500	10-17-05	11-57-15
		2600	57-35	
Position:		2700	55-10	46-20
Lat. 11° 13.8' S,		2800	58-45	40-35
		2900	11-2-20	
		3000	5-50	30-20
Dredg. course:		3100	9-20	25-30
		3200	13-20	11-1-20
		3300	11-7-20	
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Overcast & cloudy			
50	Mod. breeze from			
100	S.E.			
200				
300	Boran. 29.96"			
400	Therm. attached 73.5°			
500				
600				
700				
800				
900				
1000				

17-1023

REMARKS:

with weight, plain & foot, swivel, 2 tail weights, etc.

For come up
Character of bottom to be furnished when dredge comes up

507
11-1023
 No. *4662* - *Cont.* Date *16 Nov. / 04*

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom *fm.*

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
Surface	69.4	10511	H.S.	
25	69.2	104925	-.1	69.1
50	59.	104924	-.3	59.3
100	54.0	104922	-.5	53.5
200	50.3	104921	-.6	49.7
300	46.8	108104	-.63	46.2
400	43.2	104914	-.7	42.5
500				
600	40.0	104911	-.6	39.4
700				
800		104910	-.6	37.4
900	# 20 Fathoms at end of Cable (800)			
1000	17			

11-1023

REMARKS:

1 - 11:11 AM
2 - 1:50 PM
3 - 6:50 PM

507
 No. *Dr. 463.* Date *16 Nov. 1904.*
 Machine. Reel.

bl. at 7:00, 53.8

Turns Cor.+ Depth
 Shot or lead
 Bottom
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air *69°* Surface *69°* Drift *E by N. 0.4 m.*
 Trawl or dredge *x)* and *xx)*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>x) Intermediate: The 5' Robinson and 2 #20 Silk Ropes, 400 fms wire</i>		0	<i>7:04.15</i>	<i>7:51.30</i>
		100	<i>07.45</i>	<i>-2-</i>
		200	<i>11.30</i>	<i>44.30</i>
		300	<i>15.00</i>	<i>41.20</i>
		400	<i>7.18.00</i>	<i>7.38.00</i>
		500		
		600	<i>= Towing 20 min</i>	
		700		
		800		
		900		
<i>xx) 5' Surface Net with electric lt. from p.t. b. and 1 12" Reel #12 Silk 1 14" up 20 a turn</i>		1000		
		1100		
		1200		
		1300	<i>out</i>	
		1400	<i>7:03.00</i>	<i>7:22.00</i>
		1500	<i>= Towing 20 min</i>	
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Lat.	11° 20.3 S	✓	
50	Long.	88° 55.2 W		
100	Course,	E by N		
200	Cloudy			
300	Moderate breeze from S.E. by E			
400	Moderate breeze.			
500	Bar. 29.91			
600	Therm 73°			
700				
800				
900				
1000				

11-1023

REMARKS:

No. *Dr. 4664* Date *17 Nov. '04*

Machine. Reel.

Turns Cor.+ Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air *69°* Surface *68°* Drift *East*Trawl or dredge *see below*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Thermometer**Isobath**with 400 fms. cable**Drift: NNW. 10**Freeing 25 min**40 - begins to heave in at 9-45-30*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200	11 - 30, 3 S	
		3300	87 - 19 W	✓
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Note: Tamer Intermediate

caught over top of chain

507
Lohy

No. Dr 4665

Date Nov. 17/04

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 69°

Surface 48"

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN. P.M.	UP. P.M.
5' Bobbinets, from Dredge		0	7-3-00	48-20
Boom with 2-20'		100	6-30	45-40
1-1' s. ...		200	10-30	42-40
... 300 ...		300		
		400	11-30	
		500		
		600		
		700	Out	
7-1' ...		800	7-2-00	7-1-00
1-1' ... 20'		900		
Trailing ...		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
1-1' ... 20'		1600		
Elect Light Att.		1700	7-1-00	7-1-00
from Port Boom		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
Mod S	S.E.	2600		
Mod Sea		2700		
Bar. 27.4		2800		
Ther att		2900		
Lat. 11.43.5 S		3000		
Long. 86 52' W ✓		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

got
 out so remainder of cable was
 1. Register held while
 down and set at 400 fath.
 To surface found 10 fath short.

No. 2125, 4641. Date 18 November 24.
 Lucas Machine. Reel. Lucas
 Turns Cor. Depth 2600 fms.
 Shot untied 60 fms and Snapper.
 Bottom fine gy and Og.
 Bottom temperature 35.50
 No. of thermometer 78264. Cor. 6
 Corrected temperature 34.9
 Air 68° Surface 67° Drift 1 mi.
 Trawl or dredge 12 ft. with mud, etc.

SOUNDING WIRE		TURNS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
8:04.40	9:12.00	0	9:15.40	10:01
05.50	09.50	100	22.15	09:50
06.50	09.50	200	25.40	09:40
07.50	07.45	300	29.00	09:30
08.50	06.45	400	32.50	09:20
09.55	05.45	500	36.00	09:10
11.00	04.45	600	39.30	09:00
12.10	03.45	700	42.00	08:50
13.20	02.45	800	45.40	08:40
14.30	01.40	900	49.30	08:30
15.40	00.35	1000	53.00	08:20
16.50	00.35	1100	56.10	08:10
18.15	00.35	1200	59.00.40	08:00
19.30	00.45	1300	62.30	07:50
20.50	00.50	1400	65.15	07:40
22.00	54.10	1500	12.00	10:31 10:00
23.10	52.50	1600	15.50	09:50
24.10	51.50	1700	19.50	54:00
25.20	50.05	1800	23.00	50:00
26.35	48.45	1900	26.30	46:00
27.45	47.30	2000	40.00	42:00
29.00	46.55	2100	44.00	38:10
30.10	44.50	2200	47.50	34:25
31.20	42.00	2300	52.30	31:30
4:32.30	41.30	2400	12:52.40	12:27:30

2) Set watch 10 min ahead.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8: 32.45	8: 40.00	2500	10: 57.00	
8: 35.00	8: 38.00	2600	11: 00.25	
		2700	02.50	13-20
Lat. 25° 24' S.		2800	07.20	
Long. 81° 22' W		2900	10.45	12-13
Current, E by N. 1/4 N.		3000	14.35	
Overcast.		3100	18.15	
Gentle breeze from ESE		3200	21.45	
Smooth sea.		3300	11: 25.00	11: 36.15
Bar. 29.92		3400		
Therm. 72°		3500		
		3600		
		3700		
		3800	11-55.5	
		3900	84-20.3	
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
Surface	69.0°		n.s.	
25	67.2°	108156	-.2	67.
50		104925	-.4	58.5
100	55.8°	104914	-.5	55.3
200	51.0°	104924	-.4	50.6
300	45.3°	108025	-.5	45.3
400	41.5°	108151	-.5	43.2
500				
600	39.9°	108155	-.6	39.3
700				
800	38.0°	108154	-.7	37.3
900	37.1°			
1000	36.0°			

11-1023

REMARKS:

Let down at. 2-02-00 P.M.
 Reached 800 fms. at 2-20-10 "
 Began to heave in 2-25-10 "
 Let Therm. up 2-47-00 "

Belong
No. 4667

Date *18 Nov 1900*

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

No Sounding

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

68°

Surface

68°

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN. P.M.	UP. P.M.
		0	<i>7-22-10</i>	
<i>2-20 Kofoid</i>		100	<i>5-25</i>	<i>43-10</i>
<i>Home 10 min</i>		200		<i>11-10</i>
<i>3 min</i>		300	<i>11-10</i>	<i>11-10</i>
<i>towed for 60 min</i>		400	<i>1-10</i>	<i>7-34-30</i>
		500		
		600		
		700		
		800		
		900		
		1000		
<i>5- Surface net</i>		1100	<i>7-0-00</i>	<i>7-0-00</i>
<i>with Elect Light</i>		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
<i>9-12-10</i>		1900	<i>7-0-10</i>	<i>7-0-10</i>
		2000		
<i>Towing astern</i>		2100		
		2200		
		2300		
		2400		

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Fair</i> <i>Smooth Sea</i> <i>Light Breeze SE.</i> <i>Bar 86</i> <i>Ther at 69°</i> <i>Lat. 11° 59.5'S</i> <i>Long. 83° 40.4' W</i>		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 5-468 Date 10 Nov. 1904
 Lucas Machine. Reel. Lucas
 Turns Cor.+ Depth 2620 fms.

Shot or lead 60 lb.
 Bottom fine gy. O. S. Rd.

Bottom temperature

No. of thermometer 98241 Cor.

Corrected temperature

Air 68° Surface 67° Drift

Trawl or dredge Trawl

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-55	04.15	0	8:52.00	9:19.10
4-55	04.55	100	9:11.10	56.30
4-55	04.40	200	03.35	53.30
5-50	03.40	300	07.20	50.45
6-50	02.40	400	9:11.30	9:47.50
7-50	01.55	500	= down	36
8-50	9:00.35	600	Started	2:43.00
9-30	59.30	700	Mississippi Street	
	58.20	800	(Tide gauge)	2:43.00
11-30	57.15	900		
12-25	56.00	1000		
13-20	54.40	1100		
14-30	53.35	1200		
15-30	52.15	1300		
16-40	50.55	1400		
17-40	49.45	1500		
18-55	48.35	1600		
20-00	47.20	1700		
21-10	46.10	1800		
22-20	45.00	1900		
23-30	43.50	2000		
24-30	40.55	2100		
25-40	39.45	2200		
26-50	38.35	2300		
8:27.50	8:36.20	2400		

12-09.3 S, 87-45.2 W

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
Am. DOWN.	UP. Am.		DOWN.	UP.
8: 29.00	8: 34.40	2500		
30.05	32.50	2600		
8: 30.20	8: 32.20	2620 2700		
		2800		
Lat.		2900		
Long.		3000		
Course, N. by W.		3100		
Overcast.		3200		
Lt. breeze from S.E.		3300		
Moderate swell.		3400		
Bar. 29.60		3500		
Therm. 72°		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. 112

Date 1/1/1900

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 68°

Surface 67°

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5' Bobbinett &		0	7-02-00	51
100		100	5-15	47-30
200		200		44-00
300		300	12-45	40-30
400		400	17-00	7-37-00
500		500		
600		600	Towing 20 min.	
700		700		
800		800		
900		900	Out ✓	In
1000		1000	7-00-00	7-20-00
1100		1100		
1200		1200		
1300		1300		
1400		1400		
1500		1500		
1600		1600		
1700		1700		
1800		1800		
1900		1900		
2000		2000		
2100		2100		
2200		2200		
2300		2300		
2400		2400		

5' Bobbinett &

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>Cloudy</i> <i>SE. smooth sea</i> <i>Barometer . . . 30.1"</i> <i>Therm. attached . . . 74°</i> <i>Position</i> <i>Lat 12° 12.7' S.</i> <i>Long. 80° 25.5' W.</i> ✓		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. *Dr. 4150* Date *25 Jan 1904*Machine. Reel. *Lucas*Turns Cor. + Depth *3209 fms*Shot or lead *60 and Snapper*Bottom *No specimen in Snapper. in for 1/2 in. 1/2 in.*Bottom temperature *36.0*No. of thermometer *70001* Cor. *6*Corrected temperature *35.4*Air *68.0* Surface *66.0* DriftTrawl or dredge *6' Bl. Alb. a. line*

SOUNDING WIRE.		TURNS.	An. DREDGE ROPE. fms.	
DOWN.	UP.		DOWN.	UP.
	<i>8:37.40</i>	0	<i>8:43.30</i>	<i>3-17-11</i>
<i>11-95</i>	<i>36.00</i>	100	<i>47.20</i>	<i>13-45</i>
<i>12-15</i>	<i>34.35</i>	200	<i>50.45</i>	<i>10-15</i>
<i>13-15</i>	<i>33.05</i>	300	<i>52.15</i>	<i>7-00</i>
<i>14-15</i>	<i>31.35</i>	400	<i>57.25</i>	<i>3-40</i>
<i>15-15</i>	<i>30.05</i>	500	<i>00.55</i>	<i>2-0-30</i>
	<i>27.20</i>	600	<i>04.25</i>	<i>57-11</i>
	<i>27.00</i>	700	<i>08.15</i>	<i>53-55</i>
	<i>27.20</i>	800	<i>11.50</i>	<i>50-45</i>
<i>17-20</i>	<i>24.00</i>	900	<i>15.05</i>	<i>47-00</i>
<i>20-25</i>	<i>22.30</i>	1000	<i>18.40</i>	<i>43-45</i>
<i>21-30</i>	<i>21.10</i>	1100	<i>22.00</i>	<i>40-05</i>
<i>22-35</i>	<i>19.40</i>	1200	<i>25.10</i>	<i>36-20</i>
<i>23-40</i>	<i>18.10</i>	1300	<i>28.45</i>	<i>33-20</i>
<i>24-45</i>	<i>16.40</i>	1400	<i>31.50</i>	<i>30-05</i>
<i>25-53</i>	<i>15.10</i>	1500	<i>34.55</i>	<i>26-35</i>
<i>27-00</i>	<i>13.35</i>	1600	<i>38.15</i>	<i>23-00</i>
<i>28-10</i>	<i>12.05</i>	1700	<i>41.15</i>	<i>20-00</i>
<i>29-20</i>	<i>10.35</i>	1800	<i>44.15</i>	<i>16-20</i>
<i>30-30</i>	<i>09.00</i>	1900	<i>47.30</i>	<i>12-15</i>
<i>31-40</i>	<i>07.25</i>	2000	<i>50.45</i>	<i>09-10</i>
<i>32-45</i>	<i>05.50</i>	2100	<i>53.45</i>	<i>05-10</i>
<i>33-55</i>	<i>04.20</i>	2200	<i>57.10</i>	<i>1-01-10</i>
<i>35-0</i>	<i>02.45</i>	2300	<i>10:00.10</i>	<i>55-50</i>
	<i>01.25</i>	2400	<i>10:02.20</i>	<i>15-00</i>

Note: Cable stretched 15 fms.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10:06.40	47-25	2500	10:06.40	47-25
09.50	43-40	2600	09.50	43-40
09.40	38-10	2700	09.40	38-10
09.30	33-10	2800	09.30	33-10
09.20	28-10	2900	09.20	28-10
09.10	23-10	3000	09.10	23-10
09.00	18-10	3100	09.00	18-10
08.50	13-10	3200	08.50	13-10
08.40	7-00	3300	08.40	7-00
08.30	12-00-00	3400	08.30	12-00-00
08.20	54-10	3500	08.20	54-10
08.10	51-10	3600	08.10	51-10
08.00	46-00	3700	08.00	46-00
07.50	41-10	3800	07.50	41-10
07.40	36-10	3900	07.40	36-10
07.30	31-10	4000	07.30	31-10

Lat. 12° 8.7' S. ✓
 Long. 74° 14' W.
 Course
 Drift
 S. 1/2 E.
 7-29-00
 Therm. 71.0 SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
Surface	67°	108026	N.S.	
25	61.1	108155	-2.5	63.8
50	61	108152	-3	59.7
100	54.6	104914	-5	54.1
200	49.5°	104924	-6	48.9
300	45.1°	108156	-5	44.6
400	42.6°	108154	-6	42.
500				
600	39.9°	108025	-5	39.4
700				
800	38.7°	108151	-6	38.1
900				
1000				

REMARKS:

P. M.

Let out cable at 2-23-00
 Reached 800 fms. 2-44-00
 Began to haul in 2-49-00
 Last Therm. up 3-14-00

No. 4671

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 65°

Surface 66'

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5' Bobbitt		0	7-1-50	49-30
100		100	5-10	48-10
200		200	4-10	47-10
300		300	3-10	46-10
400		400	2-10	45-10
500		500	1-10	44-10
600		600	12-30	43-10
700		700	16-30	42-10
800		800		
900		900		
1000		1000		
1100		1100		
1200		1200		
1300		1300	7-1-50	41-10
1400		1400		
1500		1500		
1600		1600		
1700		1700		
1800		1800		
1900		1900		
2000		2000		
2100		2100		
2200		2200	7-1-50	40-10
2300		2300		
2400		2400		

12-693, 78-28,2 W.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Shallow Sea

Breeze S.E.

2 p.m.

Attached. 73°

No. 41-1

Date

Lucas

Machine.

Reel.

Turns

Cor. +

Depth 1490 fms

Shot and lead

6 lb + 7 lb

Bottom

very fine

granular

dark clay

Siliaceous

inferred

Bottom temperature

36°

Inferred earth

No. of thermometer 98241

Cor.

6

Corrected temperature

35.4

Air 65°

Surface 66°

Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

	9:30.05	0
53-10	29.30	100
56-20	28.30	200
59-25	27.30	300
59.40	26.25	400
59.55	25.25	500
01.05	24.20	600
02.15	23.10	700
03.25	22.00	800
04.05	20.45	900
05.05	19.30	1000
06.10	18.00	1100
07.15	16.30	1200
08.15	15.15	1300
09.20	13.50	1400
8.10.10	8:12.15	1490

1600

1700

1800

1900

2000

2100

2200

2300

2400

Lat. 12° 06.9' S

Long. 78° 28.2' W

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

No. Dr. 4672 Date 21 Nov. 04

Lucas Machine. Reel. Lucas

Turns Cor.+ Depth 2845 fms.

Shot ~~or lead~~ 60 lbs. and Telegraph Tube

Bottom Fine infusorial mud - dark brown

Bottom temperature 35.8°

No. of thermometer 98241 Cor. 6

Corrected temperature 35.2

Air 66° Surface 65° Drift

Trawl or dredge 6' Blake-Albatross as before

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
A. M.			A. M.	
7-01-00	14-15	0	8-20-50	12.58.45
2-05	13-0	100	24-15	54.55
3-05	12-0	200	27-20	52.00
4-00	10-5	300	30-20	49.00
4-55	9-55	400	33-25	46.00
5-50	8-45	500	37-15	43.00
6-50	7-35	600	40-45	40.00
7-50	6-35	700	44-30	36.50
8-45	5-15	800	48-10	33.30
9-45	4-0	900	50-55	30.10
10-45	2-35	1000	54-00	27.05
11-45	8-1-10	1100	57-05	24.00
12-45	5-9-50	1200	9-0-25	20.25
13-50	58-35	1300	3-30	17.25
14-55	57-00	1400	6-45	13.45
16-00	55-45	1500	9-40	10.45
17-00	54-10	1600	12-50	07.35
18-05	52-35	1700	16-00	04.40
19-10	51-05	1800	18-55	12.01.05
20-15	49-35	1900	21-55	57.40
21-25	48-05	2000	24-45	54.20
22-30	46-30	2100	27-40	51.00
23-40	44-55	2200	30-45	47.30
24-55	43-20	2300	33-55	44.5
7-26-05	7-41-50	2400	9-37-10	11-40-25

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>A M</i>			<i>A M</i>	
7-27-15	7-40-10	2500	40-10	36-50
28-25	38-35	2600	43-20	33-15
29-40	36-55	2700	46-20	29-45
30-55	35-10	2800	49-20	26-5
7-31-40	7-33-50	2845	52-25	22-10
		2900	55-35	18-15
		3000	58-45	10-20
		3100	10-1-35	11-4-10
		3200	5-10	58-25
		3300	8-20	53-00
		3400	11-45	47-15
		3500	10-15-15	10-40-5
		3600	Dredge 20 min. (Clock set ahead 4 1/2)	
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

11-1023

REMARKS:

Cloudy
South by mod. breeze from
S.E. Smooth sea.
Barometer 29.89
Therm. attached 68.5

Noon
Position
Lat. 13° 11.6' S. ✓
Long. 78° 18.3' W
Dredge Course - East.

5-
3 1/2

1/2

$$30: 102 = 3.4$$

$$\frac{9}{12}$$

$$3.24$$